


BROADBAND EXPANSION GRANT APPLICATION

For Fiscal Year 2022

Primary Applicant (Name and Address): Frontier North Inc. 2378 Wilshire Boulevard Mound, MN 55364	Applications MUST be UPLOADED to ERF via the Commission's website, http://psc.wi.gov/apps35/ERF_upload/content/mymenu.aspx . Refer to section 2.3 for detailed instructions. Applications are due and MUST be uploaded to ERF no later than: March 17, 2022 at 4:00pm (16:00) Central Time. Late applications will not be accepted.		
	Contact for further information: PSCStatebroadbandoffice@wisconsin.gov		
	Date: March 17, 2022		
<p>The Public Service Commission of Wisconsin is seeking applications for Broadband Expansion Grants. The Commission may award one or more grants during Fiscal Year 2022 to public and private entities that meet the eligibility requirements set forth in Wis. Stat. § 196.504. This grant round will be funded with bond proceeds authorized by the Wisconsin Building Commission pursuant to Wis. Stat. § 13.48(30). As such, successful applicants are subject to the requirements of Wis. Stat. § 13.48(30). Successful applicants will demonstrate a clear and achievable plan to improve broadband communications services in one or more underserved areas in the State.</p>			
<p>Applicant Certification: In signing this application, the undersigned verifies under penalty of perjury that the Applicant and its employees and agents have not, either directly or indirectly, entered into any agreement or participated in any collusion or otherwise taken any action in restraint of free competition with respect to this application; that no attempt has been made to induce any other person or firm to submit or not to submit an application; that this application has been independently arrived at without collusion with any other proposer, competitor or potential competitor; that this application has not been knowingly disclosed prior to the opening of applications to any other applicant or competitor; that all of the responses and representations of Applicant in this application are true and correct to the best of the undersigned's knowledge, information, and belief; and that Applicant agrees to, accepts, and will comply with all of the terms and conditions respecting this application and any award of a broadband expansion grant as may be established in a grant award Agreement.</p>			
Name of Authorized Representative (Type or Print) Scott Bohler	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%; padding: 5px;"> Title Manager, Government and External Affairs </td> <td style="width: 40%; padding: 5px;"> Phone (952) 491-5534 </td> </tr> </table>	Title Manager, Government and External Affairs	Phone (952) 491-5534
Title Manager, Government and External Affairs	Phone (952) 491-5534		
Signature of Authorized Representative 	Date March 17, 2022		

SUMMARY OF GRANT APPLICATION

Primary Applicant Name Frontier North Inc.	Amount of Broadband Grant Request (round to nearest dollar) \$1,219,069
Federal Employer Identification No. 35-1869961	Amount of Matching Funds Pledged (round to nearest dollar) \$6,908,058
Contact Name and Title Scott Bohler Manager, Government and External Affairs	Total Cost of Proposed Project (round to nearest dollar) \$8,127,128
Telephone Number (952) 491-5534	Project Name Kenosha County Project
E-mail Address(es) Scott.bohler@ftr.com	Type of Proposed Broadband Service (FTTH, Cable, DSL, etc.) FTTH
Grant Manager, if different than Primary Applicant Same as Primary Applicant	Type of Proposed Project (Last-mile, Middle-Mile, backbone, other) Last mile
Grant Manager Contact Name Same as Primary Applicant	Grant Manager Email Address and Telephone Number Same as Primary Applicant
If the application proposes a public-private partnership, list the names, addresses, and FEINs of the partner companies or organizations. Village of Bristol, 19801 83 rd Street, Bristol, WI 53104, 30-0595690	
Brief Project Description (2 sentences) The proposed project will deploy fiber to the home network to 3,709 locations within Kenosha County. The new facilities will allow Frontier to offer broadband service at speeds up to 2Gig, symmetrical.	
Maximum Proposed Download Transmission Speed Up to 2 Gig	Maximum Proposed Upload Transmission Speed Up to 2 Gig
Minimum Proposed Download Speed to Customer Location	Minimum Proposed Upload Transmission Speed to Customer Location
County or Counties served by this project Kenosha County	Community or Communities served by this project Portions of 5 Frontier exchanges will be served, including Bristol, Salem, Silver Lake, Trevor, and Twin Lakes.

<p>List of the broadband service providers, if any, currently serving the area the applicant proposes to serve</p> <p>All of the locations are categorized as “unserved” or “underserved” by the PSC.</p>	
<p>Does proposed project serve an <u>unserved</u> area of the State, as defined in Section 1.4 of the application instruction? (yes/no)</p> <p>Yes.</p>	<p>Is the Applicant certified as a Broadband Forward! Community or Telecommuter Forward! Community, or does the grant project propose to serve a Broadband Forward! Community or Telecommuter Forward! Community? (yes/no)</p> <p>No</p>
<p>For last mile projects or component the expected number of Business Locations that will have access to the improved broadband service (i.e., total business locations passed or with new service access).</p> <p>136</p>	<p>For last mile projects or components the expected number of Residential Locations that will have access to the improved broadband service (i.e., total residential locations passed or with new service access).</p> <p>3,573</p>
<p>Of the improved business locations, how many locations are <i>unserved</i>?</p> <p>104</p>	<p>Of the improved residential locations, how many are <i>unserved</i>?</p> <p>2,670</p>
<p>For providers that are eligible telecommunications carriers will the proposed broadband service be available to Lifeline customers? (yes/no)</p> <p>Yes.</p>	<p>Are there any programs available for low-income households to access low-cost service or discounts? (yes/no)</p> <p>Yes</p>
<p>Is the internet service provider currently participating in the Emergency Broadband Benefit Program? (yes/no)</p> <p>Frontier participates in the EBB successor program, the Affordable Connectivity Program.</p>	<p>Is the internet service provider currently participating in the Department of Public Instruction and CESA purchasing’s Digital Learning Bridge? (yes/no)</p> <p>No</p>
<p>Did the internet service provider participate in the Public Service Commission’s voluntary Broadband Coverage Data Collection in 2012? (yes/no)</p> <p>Yes.</p>	

FY22 Broadband Expansion Grant Application

Budget & Income Summary



Please complete this form using Microsoft Excel. A PDF copy must be attached to your application as page four. In addition, this form must also be uploaded to ERF in Excel format.

Grant Summary

Grant Applicant:	Project:
Frontier North Inc.	Kenosha County

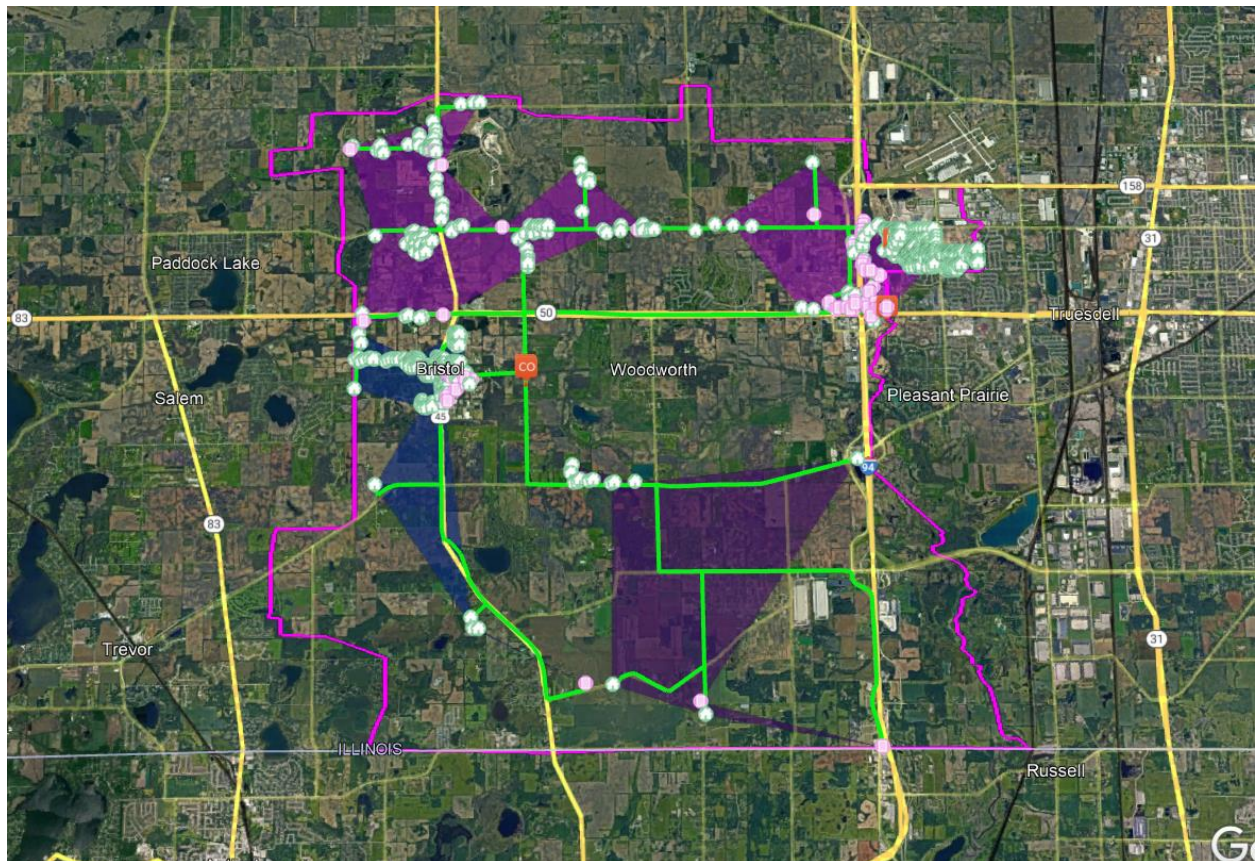
Budget

Line:	Description / Category:	Grant Funds:	Match:	Total:
1	Contractual, Consultant Fees	\$ 955,752.05	\$ 5,415,928.31	\$ 6,371,680.36
2	Equipment	\$ 190,678.68	\$ 1,080,512.52	\$ 1,271,191.20
3	Supplies	\$ -	\$ -	\$ -
4	Labor (Salary, Fringe)	\$ 35,138.40	\$ 199,117.60	\$ 234,256.00
5	Permitting, Licensing Fees	\$ 37,500.00	\$ 212,500.00	\$ 250,000.00
6	Travel	\$ -	\$ -	\$ -
7	Other	\$ -	\$ -	\$ -
Total:		\$ 1,219,069.13	\$ 6,908,058.43	\$ 8,127,127.56
				85.0% match requested

Pledged Contributions

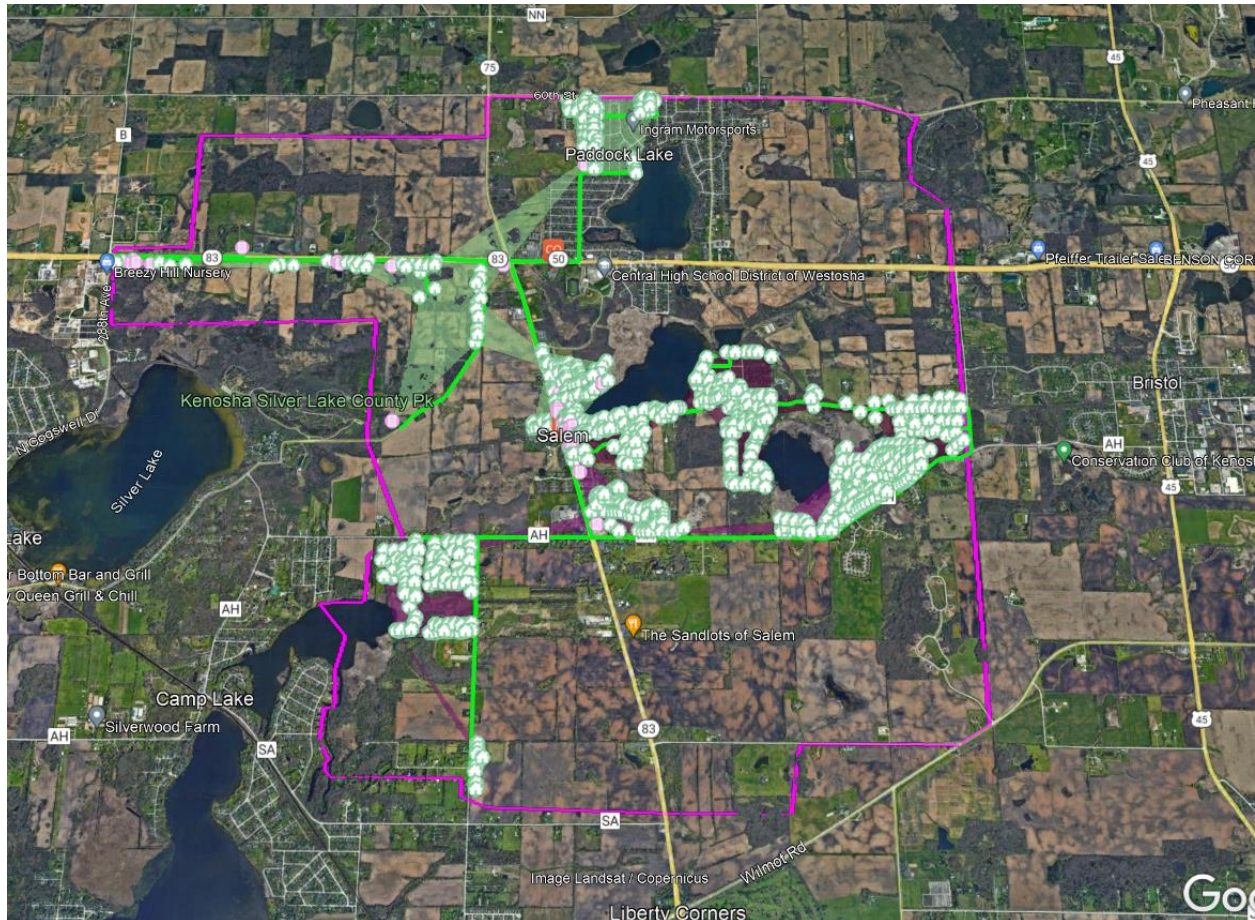
#:	Entity:	Entity Type:	Pledge Type:	Pledge:
1	Frontier North Inc.	Applicant	Cash	\$ 6,908,058.43
2				
3				
4				
5				
6				
7				
8				
9				
10				
Total:				\$ 6,908,058.43

Frontier North is applying for a Wisconsin (WI) Broadband Expansion Grant to deploy last mile fiber-to-the-home (“FTTH”) facilities enabling provisioning of XGS-PON, 2 Gbps upload/2 Gbps download broadband service to 904 unserved customer locations within our Bristol exchange. There are 67 businesses and 837 residential customer locations in that group. The map below illustrates coverage from the Bristol Lake Central Office. See attached spatial KML file displaying the proposed service area.



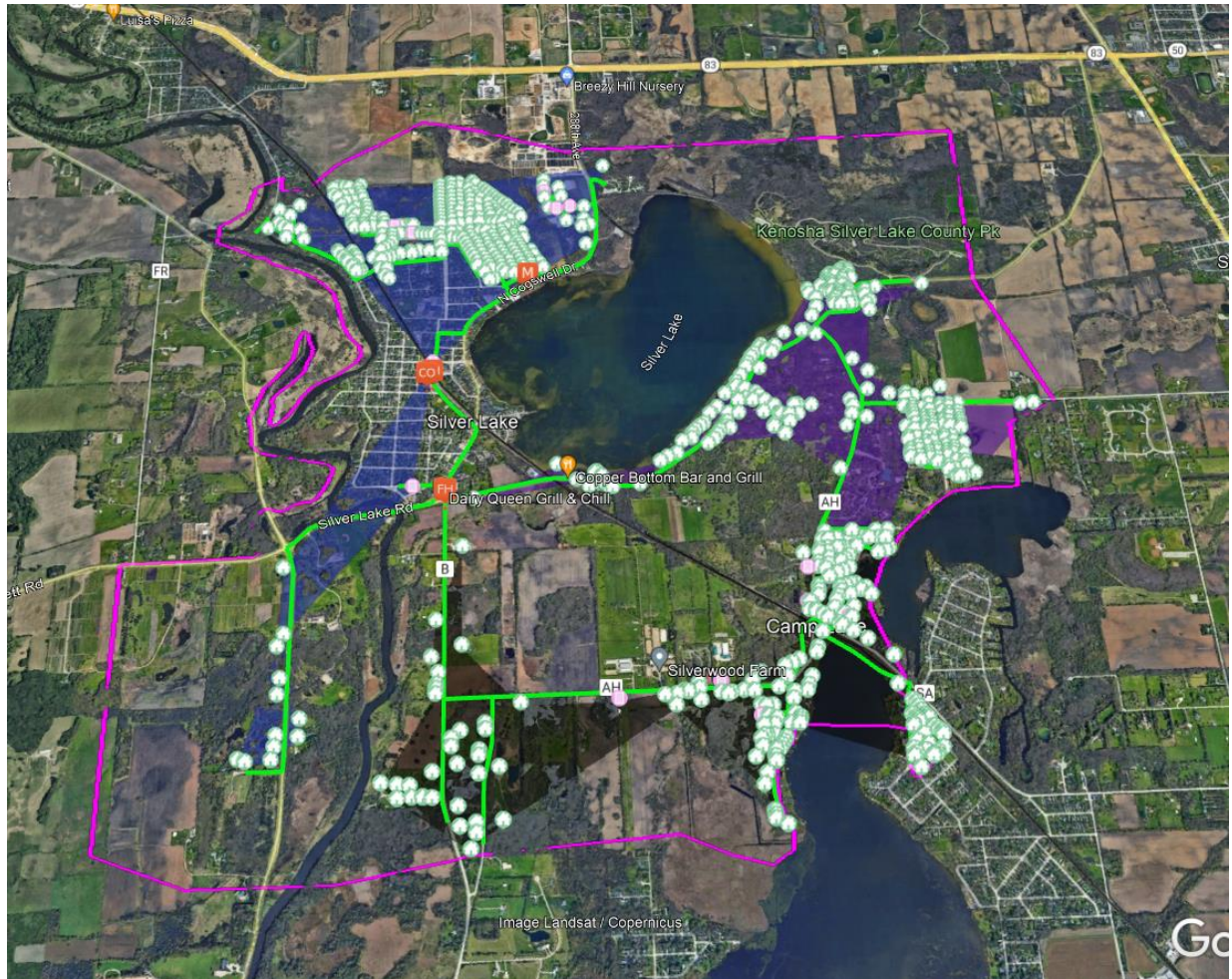
The broadband service provided will be Fiber Optic to the home (FTTH) and will transport broadband traffic from the subscriber and will interconnect to the Bristol central office. The bandwidth terminating at each project location will be dedicated to all the subscribers within the serving area of the project site.

Frontier North is applying for a Wisconsin (WI) Broadband Expansion Grant to deploy last mile fiber-to-the-home ("FTTH") facilities enabling provisioning of XGS-PON, 2 Gbps upload/2 Gbps download broadband service to 4 unserved customer locations and 935 underserved customer locations within our Salem exchange. There are 32 businesses and 907 residential customer locations in that group. The map below illustrates coverage from the Salem Central Office. See attached spatial KML file displaying the proposed service area.



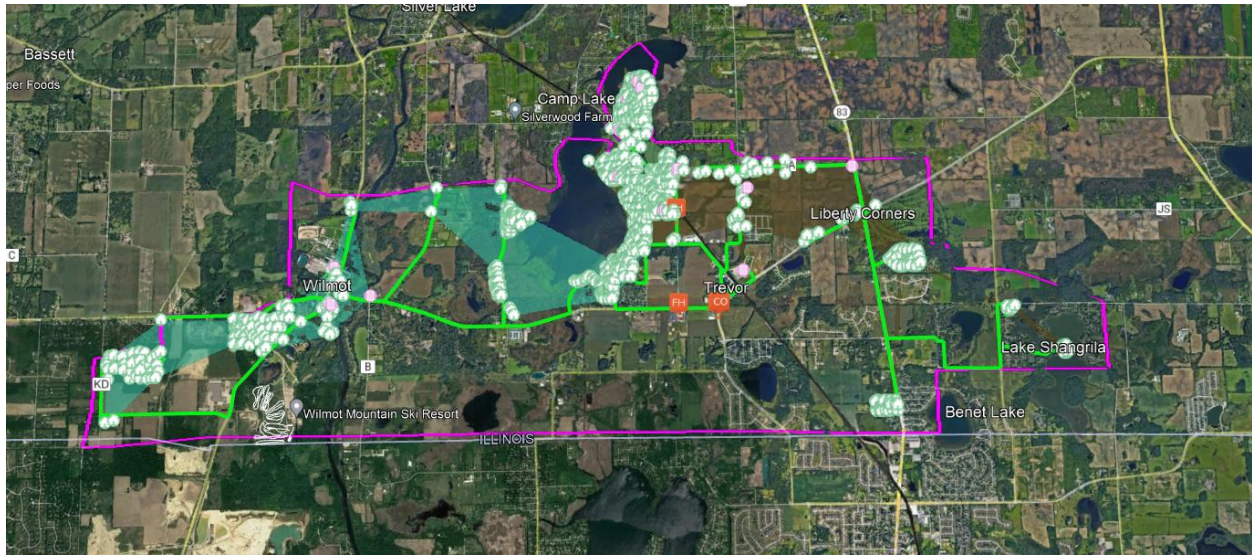
The broadband service provided will be Fiber Optic to the home (FTTH) and will transport broadband traffic from the subscriber and will interconnect to the Salem central office. The bandwidth terminating at each project location will be dedicated to all the subscribers within the serving area of the project site.

Frontier North is applying for a Wisconsin (WI) Broadband Expansion Grant to deploy last mile fiber-to-the-home ("FTTH") facilities enabling provisioning of XGS-PON, 2 Gbps upload/2 Gbps download broadband service to 757 unserved customer locations in our Silver Lake exchange. There are 15 businesses and 742 residential customer locations in that group. The map below illustrates coverage from the Silver Lake Central Office. See attached spatial KML file displaying the proposed service area.



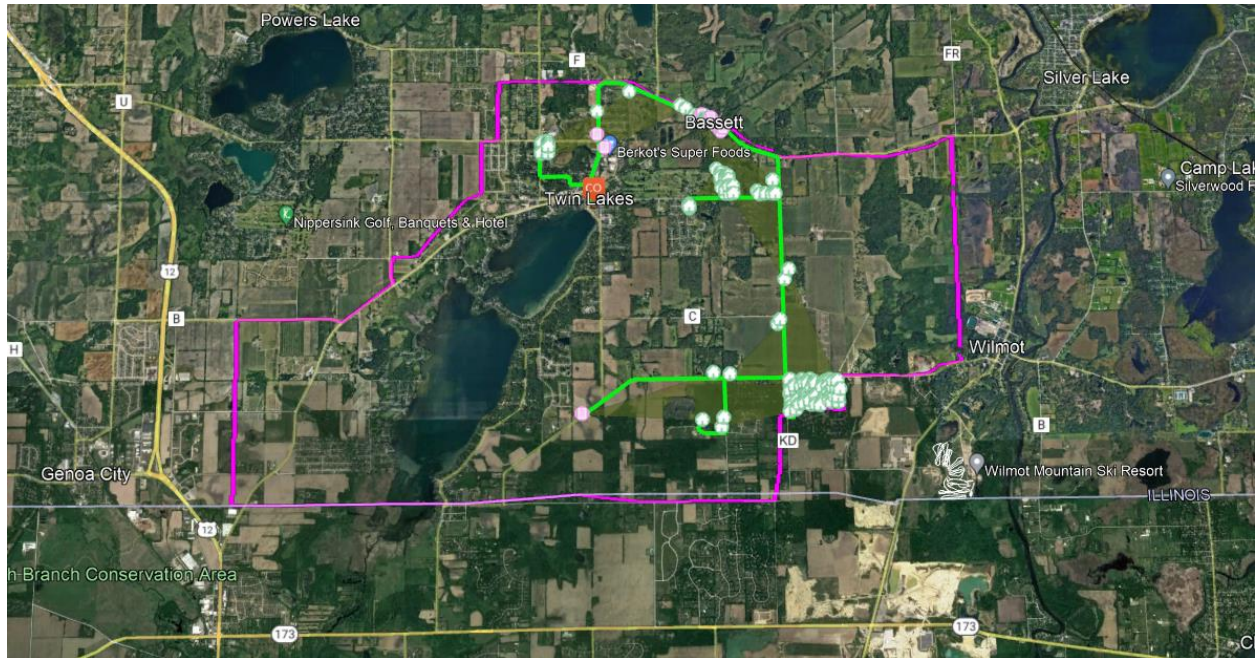
The broadband service provided will be Fiber Optic to the home (FTTH) and will transport broadband traffic from the subscriber and will interconnect to the Kenosha central office. The bandwidth terminating at each project location will be dedicated to all the subscribers within the serving area of the project site.

Frontier North is applying for a Wisconsin (WI) Broadband Expansion Grant to deploy last mile fiber-to-the-home (“FTTH”) facilities enabling provisioning of XGS-PON, 2 Gbps upload/2 Gbps download broadband service to 974 unserved customer locations in Frontier’s Trevor exchange. There are 14 businesses and 960 residential customer locations in that group. The map below illustrates coverage from the Trevor Lake Central Office. See attached spatial KML file displaying the proposed service area.



The broadband service provided will be Fiber Optic to the home (FTTH) and will transport broadband traffic from the subscriber and will interconnect to the Trevor central office. The bandwidth terminating at each project location will be dedicated to all the subscribers within the serving area of the project site.

Frontier North is applying for a Wisconsin (WI) Broadband Expansion Grant to deploy last mile fiber-to-the-home ("FTTH") facilities enabling provisioning of XGS-PON, 2 Gbps upload/2 Gbps download broadband service to 135 unserved customer locations in Frontier's Twin Lakes exchange. There are 8 businesses and 127 residential customer locations in that group. The map below illustrates coverage from the Twin Lakes Lake Central Office. See attached spatial KML file displaying the proposed service area.



The broadband service provided will be Fiber Optic to the home (FTTH) and will transport broadband traffic from the subscriber and will interconnect to the Twin Lakes central office. The bandwidth terminating at each project location will be dedicated to all the subscribers within the serving area of the project site.

3.2 Mandatory application requirements

3.2.1 Applicant identification and contact information

- a. Applicant is Frontier North Inc. Contact person is:

Scott Bohler

2378 Wilshire Boulevard, Mound, MN 55364

(612) 562-7183

scott.bohler@ftr.com

- b. N/A.

- c. Frontier North Inc is a telecommunications utility. It has been designated as an Eligible Telecommunications Carrier by the Public Service Commission for calendar year 2022.

3.2.2 Description of the project

- a. Please see pages 5 and following of this application for maps of the project area. The project will cover portions of Frontier's Bristol, Salem, Silver Lake, Trevor, and Twin Lakes exchanges.

A KML mapping file is being emailed in connection with this application.

- b. N/A.

- c. The project will serve 3,573 residential locations and 136 business locations. Service at speeds up to 2Gig symmetrical will be available over these new facilities.

- d. The project will be targeting the "last mile" portion of the broadband infrastructure.

- e. The project will deploy a fiber to the home network to the area. The project will provide broadband service at speeds up to 2Gig, symmetrical. The project will deploy individual fiber facilities to each customer seeking broadband service. Middle mile transport facilities will be designed and constructed to serve all the customers in the area while maintaining a high level of bandwidth speeds consistent with the service levels to which customers subscribe.

- f. N/A

- g. The project is planned to be completed within 24 months of the award of the grant funding.

3.2.3 Itemized Budget (all amounts should be rounded to the nearest dollar)

- a. All facilities involved in the project will be owned by Frontier.

Cost Detail - KENOSHA PROJECT -FTTP	Qty	Price
Ciena 6500/Waveserver	5	\$534,751.00
High Bandwith Ethernet BNG	1	\$269,040.00
CO Power	5	\$114,000.00
Nokia 7360 FX-8 XGS-PON OLT	5	\$342,000.00
Fiber Distribution Panel (FDP)	5	\$11,400.00
144 Fiber Cable	688,515	\$564,582.00
288 Fiber Cable	58,939	\$90,766.00
FDH	15	\$52,500.00
FTTH Terminal	1,170	\$128,700.00
Sub-Structure/Pull Boxes	15	\$28,740.00
Site Prep New	15	\$285,000.00
TOTAL		\$2,421,480.00

- b. Payments made by the State for this grant will be under a reimbursement process. Frontier will provide documentation that the costs being reimbursed are only for construction of new facilities, and not for any on-going operating costs.
- c. Payments made by the State for this grant will be under a reimbursement process. Frontier will provide documentation that the costs being reimbursed are only for construction of new facilities connected with the project.

3.2.4 Priority factors supporting the application

- a. **Matching funds.** Frontier North will fund 85% of the total \$8,127,128 project cost.
- b. **Public-private partnerships.** The Village of Bristol will partner with Frontier on the project and will waive fees, allow work in their right of way and Village-owned property, use of water for boring, and other issues.
- c. **Existing broadband service.** The project only includes locations deemed “unserved” or “underserved” by the PSC. Approximately 75% of the locations impacted by the project are “unserved”.

- d. **Project impact.** The project will deploy fiber to the home facilities in portions of five Frontier exchanges: Bristol, Salem, Silver Lake, Trevor, and Twin Lakes. A total of 3,709 locations will be covered; 2,774 in unserved areas and 935 in underserved areas. The project will provide broadband service at speeds up to 2Gig, symmetrical. Frontier participates in the Lifeline and Affordable Connectivity Program programs, offering credits for qualifying customers.
- e. **Scalability.** The project will provide broadband speeds up to 2Gig, symmetrical. Currently, that level of bandwidth and speed is unsurpassed as a general residential and small business offering. Construction of the project will put in place facilities that could be leveraged and expanded upon to deliver similar broadband service to adjoining areas and locations not included in this currently project.
- f. **Economic development.** The areas impacted by the projects are located relatively close to the major urban areas of Milwaukee and Chicago. This project will provide a very high level of broadband service to the area which will have several benefits for economic development in the area. The new service will make work from home and tele-commuting much more practical for people working in connection with businesses and establishments in neighboring urban areas. The high level of broadband service will be attractive to existing businesses that are relocating or expanding. All of these results will promote job growth or retention, expand the property tax base, and improve the overall economic vitality of the project area.
- g. **Effect upon broadband service to adjacent areas.** Construction of this project will not impair the ability of a broadband service provider or competing broadband service provider to extend broadband service to areas adjacent to the proposed project area. In fact, construction of the project will position Frontier to consider expansion of the service into adjoining areas.

3.2.5 Other information supporting the application

- a. Frontier currently provides broadband service to about 92,000 customers in Wisconsin. Frontier and its affiliates have extensive organizational experience in successfully participating in federal and state funding initiatives in all 25 of the states they serve to expand and provide broadband service to unserved and underserved communities. For example, Frontier affiliates were recipients of federal funds under the Connect America Fund Phase II broadband grant program to deploy broadband service to over 706,000 rural locations throughout its footprint including over 77,000 locations in Wisconsin. More recently, Frontier

affiliates participated in the FCC's Rural Development Opportunity Fund ("RDOF") reverse auction and were awarded funding (for areas other than the Project area) that will enable it to bring FTTP and gigabit broadband service to 127,000K high-cost locations across eight states.

b. Frontier affiliates have also successfully participated in numerous state grant programs, including programs in New York, Minnesota, and California. For example, the New York Broadband Project Office (BPO) awarded Frontier a total of \$46M in grant funding to bring broadband service to over 19,000K locations. Similarly, Frontier participated in the Border-to-Border grant programs in Minnesota, which awarded Frontier \$3.4M in grants to construct middle mile and last mile facilities in rural areas of the state and in California, where Frontier was awarded \$17M through the California Advanced Services Fund to bring broadband service, including for some FTTP projects, to nearly 9,000 rural locations. Frontier has several additional FTTP projects pending approval in California.

c. The proposed project will not duplicate existing broadband infrastructure which is offering broadband at the speeds that will be provided over the project's new facilities.

d. Frontier is well qualified financially to undertake the proposed broadband construction project. Frontier is a wholly owned subsidiary of Frontier Communications Parent Inc. ("Frontier Parent"), a corporation publicly traded on Nasdaq under the ticker symbol "FYBR." Frontier Parent, through its local operating entities, provides broadband service in 25 states and has over 85 years of experience providing communications services. Frontier Parent's latest annual 10-K and 10-Q quarterly reports to the SEC are available at: <https://investor.frontier.com/filings-and-financials/sec-filings/default.aspx> Frontier has approximately \$2.5B of liquidity to help fund its fiber build plans. Frontier is committed to disciplined balance sheet management with net leverage in the mid-threes. There are no debt maturities earlier than 2027.

e. Rural communities, like that of the Project area, generally have greater challenges in accessing health care due to distance, cost, lack of local health providers, and the absence of fully equipped medical facilities. The Project will open the door to greater access to connect with healthcare providers virtually through telehealth applications and services that typically require high capacity, symmetrical connections to function properly. The Project will provide the necessary level of connectivity for health care professionals to more quickly and easily share important information with patients and other providers. This will not only save healthcare costs but also support overall better healthcare within the Project Area.

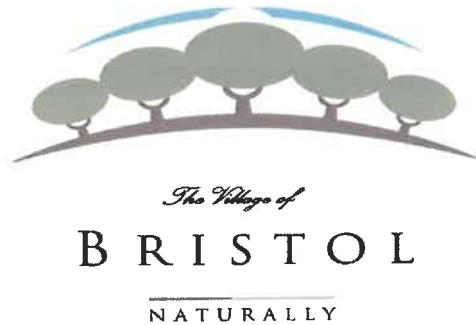
In addition, improved broadband access will allow community members to adopt new and valuable digital telemedicine devices including those that enable remote

patient monitoring by medical professionals; thereby allowing them to identify and respond to issues in a timelier manner. Many telehealth devices also include advanced functionality that enable patients to establish monitoring and alerts for out of town caretakers; providing additional peace of mind to families and loved ones. Such functionality is particularly important in the Project Area because it contains no major medical facilities. Broadband access will enable local medical personnel, including doctors and dentists, to access the expertise of large medical facilities by utilizing online consultation of x-rays, test results, and other patient information over a secure network. In addition, rural health providers will be able to take advantage of electronic health record applications available in the cloud to reduce costs and maintain security. Thus, the Project can bring the latest medical technology to the Project Area.

f. The Project will make high-speed broadband available to a wider range of students, affording them more opportunities to participate in technology-based educational opportunities—both K-12 and higher education—through interactive classroom and distance learning experiences that rely on both fast upload and download speeds. It will also provide students access to a more diverse and comprehensive educational experience by opening a new world of virtual resources.

g. N/A.

h. Letter in support of the application attached below.



Steffany Powell Coker
Secretary to the Commission
Public Service Commission of Wisconsin
North Tower, 6th Floor
Hill Farms State Office Building
4822 Madison Yards Way
Madison, WI 53705

Dear Ms. Powell Coker:

My name is Randy Kerkman, Administrator with the Village of Bristol. I'm writing on behalf of the Village of Bristol to support Frontier Communications' application for a grant from the Wisconsin Broadband Expansion Grant Program.

Our Village and the surrounding community have unserved and underserved areas in urgent need of higher speed broadband service. We are excited at the prospect of having the fiber connectivity that Frontier is proposing in its application. My understanding of this technology is that is the premier technology available today and is superior to alternatives because it provides ultra-fast broadband speeds, eliminates congestion issues, delivers better service reliability, and has future scalability built in to support community growth and strengthen the local economy. Importantly, for our community, it will provide high-speed symmetrical service that is needed for many of our work-at-home and learn from home residents.

The pandemic made clear to everyone what we already well knew in our community—high speed broadband is essential for work, school, commerce, healthcare, entertainment, and so much more. Communities that lack high speed broadband are increasingly falling behind and Frontier's proposed fiber deployment with symmetrical speeds will provide the connectivity we need to reverse that trend.

Specifically, the gigabit service that Frontier's project will deliver will open access to more job and learning opportunities for members of our community given that many companies now permit 100% remote work and it opens remote learning opportunities for both young and older residents. It will

provide the ability for many of our more elderly residents to remain in-home and socially engaged through video applications. Frontier's low-income offerings will facilitate adoption by all our residents.

We are pleased to support Frontier, an established company with a new mission, that has the technical expertise and experience to deploy these networks and provide high quality, scalable services long into the future. We will waive fees, allow work in our R/W and Village owned property, use of water for boring and other issues as they become known.

Village of Bristol support's Frontier Communications' fiber to the premises grant application and we respectfully request the Wisconsin Public Service Commission approve their grant application.

Sincerely,

A handwritten signature in dark ink, appearing to read "Randy Kerkman", with a long, sweeping horizontal line extending to the right.

Randy Kerkman
Administrator
19801 83rd Street
Bristol WI 53104